## IN THE CLAIMS

Please cancel claims 1-62.

Please amend the following claims as shown:.

[4-67] (Amended) A method for the prevention or treatment of pruritus in a mammal in need of such prevention or treatment comprising administering to said mammal an effective anti-pruritic amount of the composition of claim 63. [67] formula V or a pharmaceutically acceptable salt thereof

$$\begin{array}{c|c}
R^1 & R^2 \\
\hline
R^2 & R^3 \\
\hline
W & R^3 \\
\hline
W & R^3
\end{array}$$
wherein

---- represents a single or double bond;

R<sup>1</sup> represents an alkyl group having 1-5 carbon atoms, a cycloalkylalkyl group having 4-7 carbon atoms, a cycloalkenylalkyl group having 5-7 carbon atoms, an aryl group having 6-12 carbon atoms, an aralkyl group having 7-13 carbon atoms, an alkenyl group having 4-7 carbon atoms, an allyl group, a furan-2-ylalkyl group having 1-5 carbon atoms, or a thiophen-2-ylalkyl group having 1-5 carbon atoms;

R<sup>2</sup> represents a hydrogen atom, a hydroxy group, a nitro group, an alkanoyloxy group having 1-5 carbon atoms, an alkoxy group having 1-5 carbon atoms, an alkyl group having 1-5 carbon atoms, or -NR<sup>9</sup>R<sup>10</sup> wherein R<sup>9</sup> represents a hydrogen atom or an alkyl group having 1-5 carbon atoms, and R<sup>10</sup> represents a hydrogen atom; an alkyl group having 1-5 carbon atoms, or -C(=O)R<sup>11</sup>



wherein R<sup>11</sup> represents a hydrogen atom, a phenyl group or an alkyl group having 1-5 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a hydroxy group, an alkanoyloxy group having 1-5 carbon atoms, or an alkoxy group having 1-5 carbon atoms;

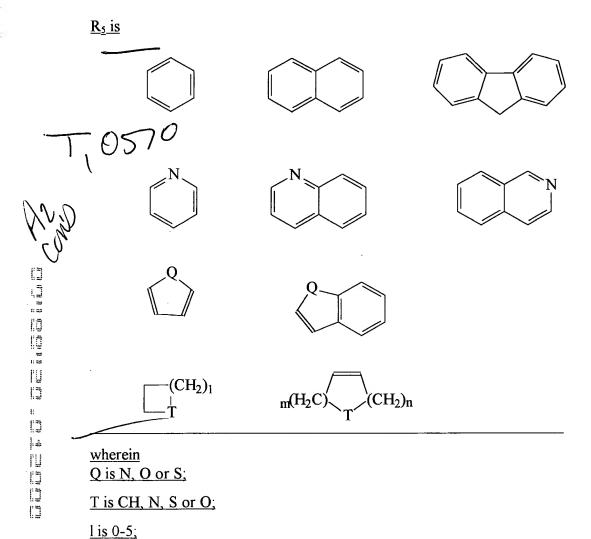
A represents -XC(=Y)-, -XC(=Y)Z-, -X-, -XSO<sub>2</sub>-, or -OC(OR<sup>4</sup>)R<sup>4</sup>- where, X, Y and Z each independently represent NR<sup>4</sup>, S or O wherein R<sup>4</sup> represents a hydrogen atom, a straight-chain or branched chain alkyl group having 1-5 carbon atoms or an aryl group having 6-12 carbon atoms, and wherein R<sup>4</sup> may be identical or different;

B represents a valence bond, a straight-chain or branched chain alkylene group having 1-14 carbon atoms which may be substituted with at least one substituent selected from the group consisting of an alkoxy group having 1-5 carbon atoms, an alkanoyloxy group having 1-5 carbon atoms, a hydroxy group, fluorine, chlorine, bromine, iodine, an amino group, a nitro group, a cyano group, a trifluoromethyl group and a phenoxy group, and wherein 1 to 3 methylene groups may be replaced with carbonyl groups, an acyclic unsaturated hydrocarbon containing from 1 to 3 double bonds and/or triple bonds and having 2-14 carbon atoms which may be substituted with at least one substituent group selected from the group consisting of an alkoxy group having 1-5 carbon atoms, an alkanoyloxy group having 1-5 carbon atoms, a hydroxy group, fluorine, chlorine, bromine, iodine, an amino group, a nitro group, a cyano group, a trifluoromethyl group and a phenoxy group, and wherein from 1 to 3 methylene groups may be replaced with carbonyl groups, or a straight-chain or branched chain saturated or unsaturated hydrocarbon group containing from 1 to 5 thioether, ether and/or amino bonds and having 1-14 carbon atoms wherein hetero atoms are not bonded directly to A, and 1 to 3 methylene groups may be replaced with carbonyl groups;

R<sup>5</sup> represents a hydrogen atom or an organic group which may be substituted with at least one or more substituent groups selected from the group consisting of an alkyl group having 1-5 carbon atoms, an alkoxy group having 1-5 carbon atoms, an alkanoyloxy group having 1-5 carbon atoms,



a hydroxy group, fluorine, chlorine, bromine, iodine, an amino group, a nitro group, a cyano group, an isothiocyanate group, a trifluoromethyl group and a methylenedioxy group; or



R<sup>6</sup> represents a hydrogen atom;

m and n are > 0

R<sup>7</sup> represents a hydrogen atom, a hydroxy group, an alkoxy group having 1-5 carbon atoms, an alkanoyloxy group having 1-5 carbon atoms, or R<sup>6</sup> and R<sup>7</sup> together represent -O-, -CH<sub>2</sub>- or -S-; and



R<sup>8</sup> represents a hydrogen atom, an alkyl group having 1-5 carbon atoms, or an alkanoyl group having 1-5 carbon atoms in a pharmaceutically acceptable carrier.--

--72. (Amended) A method for the prevention or treatment of pruritus in a mammal in need of such prevention or treatment comprising administering to said mammal an effective anti-pruritic amount of the composition of claim [64.] Wherein

R<sup>1</sup> is an alkyl group having 1-5 carbon atoms, a cycloalkylmethyl group having 4-7 carbon atoms, a cycloalkenylmethyl group having 5-7 carbon atoms, a phenylalkyl group having 7-13 carbon atoms, an alkenyl group having 4-7 carbon atoms, an allyl group, a furan-2-yl-alkyl group having 1-5 carbon atoms and a thiophen-2-yi-alkyl group having 1-5 carbon atoms;

R<sup>2</sup> is hydrogen, hydroxy, nitro, acetoxy, methoxy, methyl, ethyl, propyl, amino, dimethylamino, acetylamino or benzoylamino groups; or

## Formula V-1

wherein

Q is N, O or S;

T is CH, N, S or O;

m and n are > 0 and

m + n < 5;

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B is  $-(CH_2)_n$ - wherein n = 0-6,  $-(CH_2)_n$ --C(= O)- wherein n = 1-4,  $-CH = CH-(CH_2)_n$ - wherein n = 0-4,  $-C=C-(CH_2)_n$ - wherein n = 0-4,  $-CH_2-O$ -,  $-CH_2$ 

R<sup>3</sup> is hydrogen or an organic group of Formula V-1 said organic group may be substituted with at least one substituent group selected from the group consisting of an alkyl group having 1-5 carbon atoms, an alkoxy group having 1-5 carbon atoms, an alkanoyloxy group having 1-5 carbon atoms, a hydroxy group, fluorine, chlorine, bromine, an amino group, a nitro group, a cyano group, an isothiocyanate group and a trifluoromethyl group.--

(Amended) A method for the prevention or treatment of pruritus in a mammal in need of such prevention or treatment comprising administering to said mammal an effective anti-pruritic amount of the composition of claim [65.] Wherein

R<sup>1</sup> is methyl, ethyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, cyclopentenylmethyl, cyclopentenylmethyl, cyclopentenylmethyl, cyclopentenylmethyl, cyclopentenylmethyl, cyclopentylmethyl, cyclopentylmethyl,

R<sup>2</sup> is hydrogen, hydroxy, nitro, acetoxy, methyl or dimethylamino;

 $R^3$  is  $-NR^4C(=O)$ ,  $-NR^4C(=S)$ ,  $-NR^4C(=O)O$ ,  $-NR^4C(=O)NR^4$ ,  $-NR^4C(=S)NR^4$  or  $-NR^4SO_2$ ;

R<sup>4</sup> is a straight-chain or branched alkyl group having 1-5 carbon atoms;

<u>B is -(CH<sub>2</sub>)<sub>n</sub>- wherein n=0-6, -CH=CH(CH<sub>2</sub>)<sub>n</sub>- wherein n=0-4, -C=C-(CH<sub>2</sub>)<sub>n</sub>- wherein n</u>

R<sup>5</sup> is hydrogen, phenyl, 3,4-dichlorophenyl, 4-chlorophenyl, 3-chlorophenyl, 3,4-difluorophenyl, 4-fluorophenyl, 3-fluorophenyl, 2-fluorophenyl, 4-morphenyl, 3-bromophenyl, 2-bromophenyl, 4-nitrophenyl, 3-nitrophenyl, 4-mitrophenyl, 4-mitrophenyl, 4-methylphenyl, 4-methylphenyl, 3-methylphenyl, 2-methylphenyl, 4-methoxyphenyl, 3-methylphenyl, 2-methylphenyl, 4-methoxyphenyl, 3-methylphenyl, 2-thienyl, cyclopentyl or cyclohexyl, --methylphenyl, 2-furanyl, 3-thienyl, 2-thienyl, cyclopentyl or cyclohexyl, --methylphenyl, 4-methylphenyl, 3-thienyl, 2-thienyl, cyclopentyl or cyclohexyl, --methylphenyl, 3-thienyl, 2-thienyl, 2-thienyl, cyclopentyl or cyclohexyl, --methylphenyl, 3-thienyl, 2-thienyl, cyclopentyl or cyclohexyl, --methylphenyl, 3-thienyl, 2-thienyl, cyclopentyl or cyclohexyl, --methylphenyl, 3-thienyl, cyclopentyl or cyclohexyl, --methylphenyl, 3-thienyl, cyclopentyl or cyclohexyl, --methylphenyl, and --methy

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 (Amended) A method for the prevention or treatment of pruritus in a mammal in need of such prevention or treatment comprising administering to said mammal an effective anti-pruritic amount of the composition of claim [66.] wherein said compound is elected from the group consisting of:

17-cyclopropylmethyl-4,5a-epoxy-3,14b-dihydroxy-6b-(N-methyl-3-phenylpropionamido)morphinan;

17-cyclopropylmethyl-4,5a-epoxy-3,14b-dihydroxy-6b-(N-methyl-trans-3-(3-furyl)acrylamido)morphinan;

17-cyclopropylmethyl-4,5a-epoxy-3,14b-dihydroxy-6b-(N-methyl-trans-3-cyclohexylacrylamido)morphinan;

17-cyclopropylmethyl-4,5a-epoxy-3,14b-dihydroxy-6b-(N-methyl-trans-3-(4-trifluoromethylphenyl)acrylamido)morphinan;

17-cyclopropylmethyl-4,5a-epoxy-3,14b-dihydroxy-6a-(N-methyl-trans-3-(3-thiophenyl)acrylamido)morphinan;

17-cyclopropylmethyl-4,5a-epoxy-3,14b-dihydroxy-6b-(N-methyl-trans-3-phenylacrylamido)morphinan;

17-cyclopropylmethyl-4,5a-epoxy-3,14b-dihydroxy-6b-(N-methyl-trans-2-hexenamido)morphinan; and

17-cyclopropylmethyl-4,5a-epoxy-3,14b-dihydroxy-6b-(N-methyl-phenylpropiolamido)morphinan.--

## **REMARKS**

In parent application Serial No. 08/892,599 (now U.S. Patent No. 5,760,023) claims 1-18 were prosecuted covering Formula I.

In the first divisional application Serial No. 08/064,695 claims 19-38 were prosecuted covering formulas II, IIa and IIb (now U.S. Patent No. 5,869,521).

In the second divisional application Serial No. 09/184,393, claims 39-50 were prosecuted covering formula III. This case has now issued as U.S. Patent No. 6,004,694.

